

NEW SHOREHAM WWTF

Block Island's wastewater facility is perhaps one of Rhode Island's best kept secrets. Tucked in a hollow a few minutes walk south of the island's ferry landing and main commercial strip, the facility continually excels in performance and has a pro-active attitude. In 1994, EPA awarded the town with a national first place award for its vast improvements in operation and maintenance. New Shoreham's facility, the smallest in the state, discharges into Block Island Sound. Four operators staff the plant.

CURRENT AND FUTURE CONCERNS

RIDEM will issue the New Shoreham permit by July 2000. The new permit will add water quality based limits for ammonia, copper and total residual chlorine. Through operation modifications, the facility has been in compliance with the proposed ammonia limits. Facility modifications may be required to ensure continued compliance.



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New Shoreham Sewer Commission
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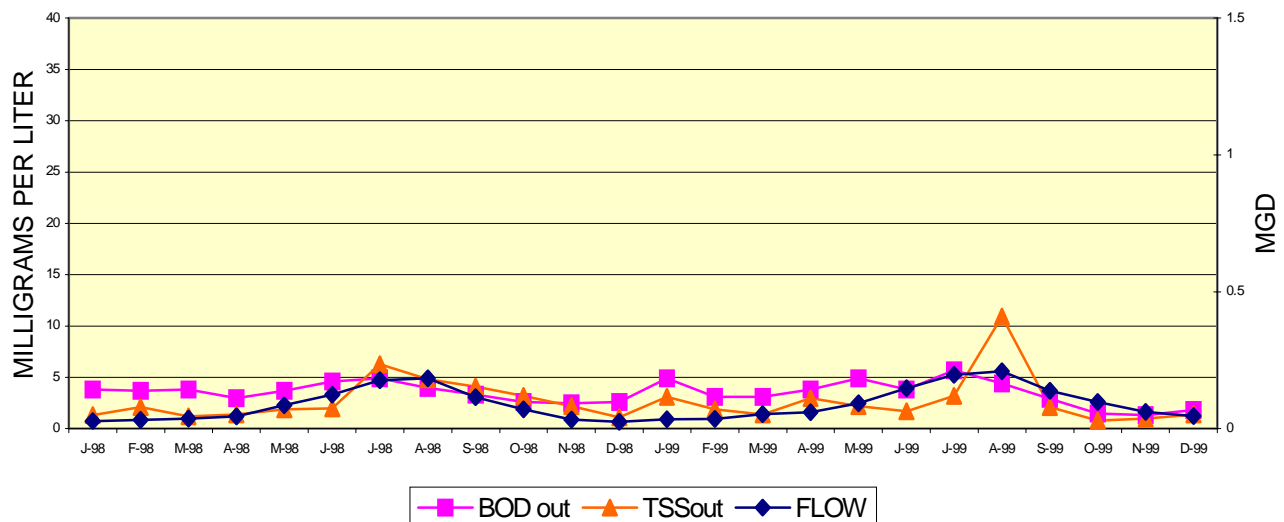
466-2027
466-3237
wastewater@town.newshoreham.ri.us

Overall Treatment: Excellent

Having no monthly violations for flow, BOD, TSS or fecal coliform, New Shoreham received a rating of Excellent.



NEW SHOREHAM EFFLUENT DATA - 1998/1999



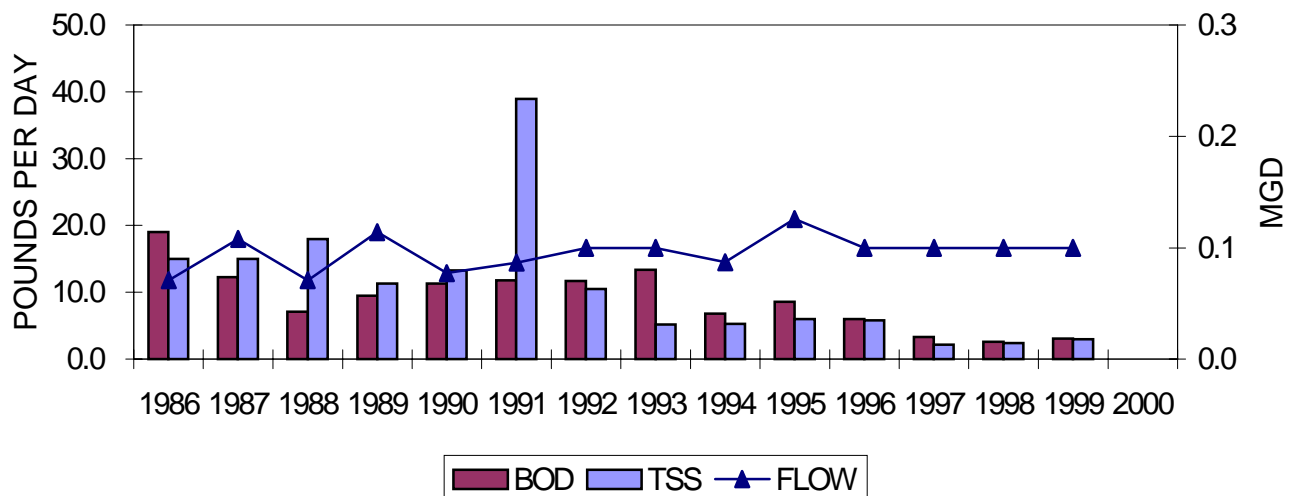
BEGAN OPERATION 1977

ANNUAL SURVEY

PARAMETER	1996	1997	1998	1999	PERMIT LIMIT	VIOLATIONS 1998/1999
FLOW (MGD)	0.1	0.1	0.1	0.1	0.3	0/0
BOD INFLUENT (MG/L)	203.2	226.3	163.5	165.5		
BOD EFFLUENT (MG/L)	7.8	5.2	3.5	3.1	30	0/0
BOD INFLUENT (LBS./DAY)	159.1	175.7	134.7	166.1		
BOD EFFLUENT (LBS./DAY)	6.0	3.3	2.6	3.4		
BOD % REMOVAL	96.1	97.2	98.1	98.1		
TSS INFLUENT (MG/L)	425.2	358.4	257.8	335.8		
TSS EFFLUENT (MG/L)	6.9	3.3	2.6	2.7	30	0/0
TSS INFLUENT (LBS./DAY)	323.3	253.5	210.0	347.1		
TSS EFFLUENT (LBS./DAY)	5.8	2.2	2.4	3.0		
TSS % REMOVAL	98.2	98.9	98.9	99.1		
FECAL COLIFORM (MPN/100ML)	12.1	6.0	2.9	4.1	200.0	0/0
CHLORINE RESIDUAL (MG/L)			0.026	0.01	0.201*	4/4

*Daily Maximum Limit

NEW SHOREHAM 1986 -1999 DATA



Operations & Maintenance

New Shoreham continues to be one of the better-operated and maintained facilities in the state. Work on nutrient removal via changes in process control began during this period.

1998 O&M Rating: 10 out of 10

1999 O&M Rating: 10 out of 10

1998 Laboratory Rating: 5 out of 5

1999 Laboratory Rating: 5 out of 5

Overall O&M Rating: Excellent

1998 SLUDGE DISPOSAL METHOD

Central Landfill

SLUDGE PRODUCED

41 DRY TONS

1999 SLUDGE DISPOSAL METHOD

Central Landfill

SLUDGE PRODUCED

44 DRY TONS

Sludge generated by the facility is transported to the Central Landfill for disposal.